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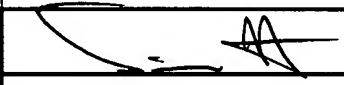
PTO/SB/21 (04-04)

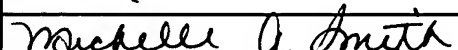
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| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> |    | Application Number     | 10/004,097       |
|  |    | Filing Date            | October 31, 2001 |
|  |    | First Named Inventor   | Jakobik et al.   |
|  |    | Art Unit               | 2633             |
|  |    | Examiner Name          | David J. Lee     |
| Total Number of Pages in This Submission   | 13 | Attorney Docket Number | 2676-000008      |

| ENCLOSURES (check all that apply)   |   |   |         |  |
|---|---|---|---------|--|
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| <table border="1"> <tr> <td>Remarks</td> <td>The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.</td> </tr> </table>   |   |   | Remarks | The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed. |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |               |                      |
|--|---|---------------|----------------------|
| Firm or Individual name                    | Harness, Dickey & Pierce, P.L.C.  | Attorney Name | Timothy D. MacIntyre |
|  |   | Reg. No.      | 42,824               |
| Signature                                  |  |               |                      |
| Date                                       | December 20, 2004   |               |                      |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |                        |                                |
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| Typed or printed name   | Michelle A. Smith   | Express Mail Label No. | EV 570 165 725 US (12/20/2004) |
| Signature   |  | Date                   | December 20, 2004              |

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12-22-04

2633



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/004,097  
Filing Date: October 31, 2001  
Applicant: Jakobik et al.  
Group Art Unit: 2633  
Examiner: David J. Lee  
Title: Architectural Arrangement for Core Optical Networks  
Attorney Docket: 2676-000008

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**RESPONSE**

Sir:

In response to the Office Action mailed September 22, 2004, please amend the application as follows and consider the remarks set forth below.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 9 of this paper.